PTO/SR/084 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMFRCE Under the Paperwork Reduction Act of 1995. required to respond to a collection of information unless it contains a valid OMB control number.

DEC 1 2 2005 INFORMATION DESCLOSURE STATEMENT BY APPLICANT

Application Number 10798.993 Filing Date 3/12/2004 First Named Inventor Peter T. Barrett Art Unit 2616 Examiner Name THAI HOANG

Attorney Docket Number

Complete if Known

MS1

1795US

(Use as many sheets as necessary)

Substitute for form 1449/PTO

Sheet 1 15

Examiner	Law			T DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (F Annum)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
/T.H./		^{US-} 20020108119	8/8/2002	Mao, et al.	
		^{US-} 20030159143	8/21/2003	Chan	
		US- 20030202775	10/30/2003	Junkersfeld, et al.	
		^{US-} 20040128694	7/1/2004	Bantz, et al.	
		^{US-} 20040160974	8/19/2004	Read, et al.	
\neg		US- 20050078757	4/14/2005	Nohrden	
		US- 20050154917	7/14/2005	deCarmo	
		US- 20050172314	8/4/2005	Krakora, et al.	
		^{US-} 5,699,362	12/16/1997	Makam	
		^{US-} 6,047,317	4/4/2000	Bisdikian, et al.	
\neg		^{US-} 6,078,594	6/20/2000	Anderson, et al.	
		US- 6,222,482	4/24/2001	Gueziec	
		US- 6,430,547	8/6/2002	Busche, et al.	
\neg		us- 6,496,814	12/17/2002	Busche	
\neg		us- 6,505,106	1/7/2003	Lawrence, et al.	
		us- 6,615,133	9/2/2003	Boies, et al.	
1/		^{US-} 6,751,626	6/15/2004	Brown, et al.	
V		^{US-} 6,766,245	7/20/2004	Padmanabhan	
/T.H./	-	US- 6,842,724	1/11/2005	Lou, et al.	

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
/T.H./		CA2480461	10/16/2003	Cisco Tech Ind (US)		
		EP 0633694A	01/11/1995	Digital Equipment Corpora		
		WO 01/26271	04/12/2001	World Multicast Com Inc (
1		WO 01/56285	08/02/2001	Beberet, et al.		
V		WO 99/09741	02/25/1999	Next Level Communication		
/T.H./		WO03088646	10/23/2003	Thomson Licensing SA		

Examiner Signature	/Thai Hoang/	Date Considered	07/01/2008
-----------------------	--------------	--------------------	------------

"EXAMINER." Initial if reterence considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication is applicant. "Applicant's unique citation designation number (optiona)." See Kinds Codes of USPTO Patient Documents at www.uspt.goog.or/ in 2010-04. "Einer Office that issued the document, by the two-letter code (WPIC Standard ST.3). "For Japanese patient documents, the indication of the year of the reign of the Emperor must precede the serial number of the patient document. Kind of document by the appropriate symbols as indicated on the document under VIMPO Standard ST.16 if possible." "Applicant is by bleach a check math fit rigishs language of the patient of t Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Co	mplete if Known	
Application Number	10/798,993	
Filing Date	3/12/2004	
First Named Inventor	Peter T. Barrett	
Art Unit	2616	
Examiner Name	THAI HOANG	
Attornou Docket Number	MS1 1705119	

			U. S. PATENT D		7 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2 (f Anown)}			rigules Appeal
		US-			
		US-	1		-
		US-			
		US-			
		US-	1		
		US-	T		
		US-			
		US-			1

			GN PATENT DOCU			_
Examiner Initials*	Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ " Kind Code ⁵ (if known)	MM-DD-YYYY	.,,	Or Relevant Figures Appear	۳
/T.H./		WO2004062291	7/22/2004	Koninkl Philips Electroni		
						L
						L
						L

Examiner Signature	/Thai Hoang/	Date Considered	07/01/2008

"EXAMINET Initial Inference considered, whether or not distalon is in conformance with IMEEP 809. Draw in through plaint in find in conformance and not considered include copy of this form with east communication to applicant." Appleants unique calciand resignation claims (city of the Country of the Count

This collection of information is required by 37 CFR, 197 and 198. The information is required to obtain or retain a benefit by the positive which is to file (and by the USFTO to process) an application. Conferionality is governed by 35 U.S. C. 122 and 37 CFR 1-14. This collection is estimated to take 2-bours to complete, including gathering, preparing, and submitting the completed application form to the USFTO. Time will vary depending upon the individual case. Any comments on the amount of the you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information (Direc, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Commissioner for Patents, P.O. Box 1450, Desardia, VA 22313-1450.

PTO/SB/08B (08-03)

Approved for use through 07/31/206. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of 1995. no persons are required to rescond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known
	Application Number	10/798,993
INFORMATION DISCLOSURE	Filing Date	3/12/2004
STATEMENT BY APPLICANT	First Named Inventor	Peter T. Barrett
(Use as many sheets as necessary)	Art Unit	2616
(out as many sheets as necessary)	Examiner Name	THAI HOANG
Sheet 3 · of 5	Attorney Docket Number	MS1 1795US

Examiner	Cite	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials* No.¹		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Application Serial Number 10/798,993; Barrett, et al.; Filed 03/12/2004	
		Application Serial Number 10/800,287; Barrett, et al.; Filed 03/12/2004.	
		Application Serial Number 10/800,309; Barrett, et al.; Filed 03/12/2004	
		*Digital Headend Solutions; Tune in to Digital TV", retrieved from the Internet on 11/03/05, Available at < ">, 1 page."> 1 page.	
		"Infovalue Experts; Info Value Unveils Industry's First Video Multicasting Solution with Instant Replay", retrieved from the Internet on 11/305, Available at https://www.infovalue.com/links/hew/sk2/0rcom/press/ Zorleases/1999/Press, %20First, Multicasting, with, Instant, Replay.pdf>-) apage.	
		*MediaFLO; introducing FLO Technology; retrieved from the Internet on 11/3/05, available at < <htd><http: mediaflo="" news="" pdfflo_whitepaper.pdf="" www.qualcomm.com="">>, pp. 1-8.</http:></htd>	
		Optibase MGW 2400, retreived from the Internet 11/3/05, Available at < <http: www.epecom<br="">graphics.com/optibase_mgw2400_features.html>>, 2 pages.</http:>	
		QuickTime Streaming your Media in Real Time, retrieved from the Internet on 11/3/05, Accessible at < http://www.apple.com.tw/quicktime/technologies/streaming/>>, 3 pages.	
$\sqrt{}$		BenAbdelkader, et al., "Combining Holistic and Parametric Approaches for Gall Recognition," Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence, December 2002, 37 pages.	
/T.H./		BenAbdeikader, et al., "Person Identification Using Automatic Height and Stride Estimation," IEEE International Conference on Pattern Recognition, 8/11/02-8/15/02, pp. 1-4.	

_	Signature		Considered	
Ι'	LAGITIME	/Thai Hoang/	Date	1 07/01/2008

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication of applicant is to place a check mark here if English language Translation is attached.

Taplicant's unique clatision designation number (optional) 2. applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file daily the USPTO to process) an application. Confidentially is governed by 35 U.S. C. 122 and 57 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. This will vary depending upon the including control and an amount of time upon require to complete this form and/or suggestions for reducing this burder, should be sent to the Chef Information U.S. Patent and Taclemark Office, P.O. Box 1450, Alexandra, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Commissioner for Patents, P.O. Box 1450, Alexandra, VA 22313-1450.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons an Substitute for form 1449/PTO	e required to respond to a conection	Complete if Known
SSSSIALC IS IS IN THIS IS	Application Number	10/798,993
INFORMATION DISCLOSURE	Filing Date	3/12/2004
STATEMENT BY APPLICANT	First Named Inventor	Peter T. Barrett
(Use as many sheets as necessary)	Art Unit	2616
(ose as many sheets as necessary)	Examiner Name	THAI HOANG
Sheet 4 of 5	Attorney Docket Number	MS1 1795US

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(ej), volume-issue number(s), publisher, city and/or country where published.	T²
/T.H./		BenAbdelkader, et al., "Stride and Cadence as a Biometric in Automatic Person Identification and Verification," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-8	
		BenAbdelkader, et al., "View-invariant Estimation of Height and Stride for Gait Recognition," Workshop on Biometric Authentication (BIOMET), in association with ECCV 2002, 6/1/2002, 12 pages.	
		BenAbdelkader, et al., "EigenGait: Motion-based Recognition of People Using Image Self- similarity," Proc. Intl. on Audio and Video-based Person Authentication (AVBPA), 2001, 11 pages.	
		BenAbdelkader, et al., "Motion-based Recognition of People in Eigengait Space," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6.	
		Cutler, et al., "Robust Real-Time Periodic Motion Detection, Analysis, and Applications," IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Vol. 22, No. 8, August 2000, pp. 781-796.	
		Eigammal, et al., "Non-parametric Model for Background Subtraction," IEEE ICCV99 Frame Rate Workshop, IEEE 7th International Conference on Computer Vision, Kerkyra, Greece, September 1999, pp. 1-17.	
		Tsai, R., "An Efficient and Accurate Camera Calibration Technique for 3d Machine Vision," Proceedings of the Computer Vision and Pattern Recognition, 1986, pp. 364-374.	
		Turk, et al., "Face Recognition Using Eigenfaces," CVPR, 1991. pp. 588-591.	
$\sqrt{}$		Haritaoglu, et al., "W4S: A Real-Time System for Detecting and Tracking People in 2 1/2 D," in European Conference on Computer Vision, 1998, 16 pages.	
/T.H./		Application Serial Number 10/218,675; Barrett, et al.; Filed 08/13/2002	

	Signature		Considered	
ı	Signature	/ mar moang/	Considered	07/01/2000
ı	Examiner	/Thai Hoang/	Date	07/01/2008

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. **Application undergranded in designation in undergranded by a "CRF 1984". **To information its project expected to obtain a near or tegins a burst public which is to file (an information is required to obtain a policy of the confidentiality is governed by 30 LISC. It 22 and 37 CFFR 1.4. This collection continued to take 2 hours to complete, included to proceed by 30 LISC. It 22 and 37 CFFR 1.4. This collection continued to take 2 hours to complete, application from to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete historia, visual continued to the control of the control Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are	re required to respond to a collection of information unless it contains a valid QMB control number. Complete if Known			
Substitute for form 1449/PTO	Application Number 10/798,993			
INFORMATION DISCLOSURE	Filing Date	3/12/2004		
STATEMENT BY APPLICANT	First Named Inventor	Peter T. Barrett		
(Use as many sheets as necessary)	Art Unit	2616		
lose as many streets as necessary)	Examiner Name	THAI HOANG		
Sheet 5 of 5	Attorney Docket Number	MS1 1795US		

Examiner Initials* Cit	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Application Serial Number 10/218,674; Barrett, et al., Filed 08/13/2002	T²
/T.H./		
	Application Serial Number 11/010,200; Smith, et al.; Filed 12/10/2004	
	Gil, et al., "Simulation of a Mobility Prediction Scheme Based on Neuro-Fuzzy Theory in Mobile Computing", Simulation, July 2000, Vol. 75, No. 1, pp 6-17.	
	"Multidimensional Database Technology", Computer, December 2001, Vol. 34, No. 12, pp 40-46.	
	Wolfson, et al., "Modeling Moving Objects for Location Based Services", Lectures Notes in Computer Science, 2002, Vol. 2538, pp 46-58	
\bigvee	Zhang, et al., "Data Modeling of Moving Objects with GPS/GIS in Web Environment", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, Vol. 2 pp. 1581-1585.	
/T.H./	Zhang, et al., "The Cost Model of Moving Objects Communication with GPS", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceeding 2002, VOI. 2, pp 1576-1580.	

PENAMER	total if reference and ideal of the second state of the second sta	CD coo D Face there are	1-1
Signatur	e l , marrioung,	Considered	07/01/2006
LAGITITIE		Date	07/01/2008

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Evaminar

¹ Applicant's using the Class of designation number (regional). 2 Applicant is to pace a check mark here! If English language Translation is state-ted.

This collection of information is required by 37 CFR 1.93. The information is required to obtain or retain a benefit by the public which is to file dark by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including galatering, preparing, and submitting the completed application form to the USPTO. Three will very depending upon the individual case, vocaments on the state of the Complete application form to the USPTO. Three will very depending upon the individual case, vocaments on the Complete application form to the USPTO. Three will very depending upon the individual case will be completed application form to the USPTO. Three will very depending upon the individual case will be completed and the process of the USPTO. Three will be used to the Complete and the USPTO. Three will be used to the Complete and the USPTO. The ADDRESS. SENS 10. Commissioner for Patents, P. O. Dex 1450, Alexandria, Va. 22313-1450.